

**SYSTEM AND METHOD FOR REMOTELY ADMINISTERED,  
INTERACTIVE HEARING TESTS**

**ABSTRACT**

5   **[0092]**   A technique allows a web site visitor, or other user of a consumer electronics device that is remote from a hearing test server, to measure their hearing loss in an efficient and consistent way which is self-administered, and to store the measurements as a hearing profile which can be used for customizing audio products. The technique includes a method for conducting a hearing test using a computer program. The method includes establishing a communication channel between a remote device and server in a communication network. A first component of the computer program is executed on the server, and a second component of the computer program is executed at the remote device. The computer program according to the invention comprises a routine to manage interaction via an interface on the remote device, and adaptively select stimuli based upon said interaction to be produced at the remote device according to a convergent process to determine a hearing characteristic. The interaction comprises an N-alternative forced choice interaction in one embodiment. The convergent process comprises a staircase function or a maximum likelihood function in alternative embodiments of the invention.

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